| 5  | (D) (3)   | mode generator<br>dielectric<br>electromagnetic wave generating analyzer<br>calculating device |
|----|---|--|
| 10 | (16)  | cavity resonator<br>network analyzer<br>calculating device                                     |
| 15 | (16) 1<br>(18) (148) 1  | cavity resonator network analyzer calculating device vacuum vessel vacuum pump                 |
| 20 | (203) 1   | wave guiding device<br>network analyzer<br>calculating device                                  |
| 25 | Fig. 11 Dielectric constant Logarithmic alligation Volume ratio         |  |
| 30 | Fig. 12 Dielectric constant Logarithmic alligation Volume ratio         |  |
| 35 | Fig. 13 Dielectric constant Equation of "LICHITNECKAROTER" Volume ratio |  |
| 40 | Fig. 14 Dielectric constant Equation of "LICHITNECKAROTER" Volume ratio |  |
| 45 | Fig. 15 Dielectric constant Equation of Wiener Volume ratio             |  |
| 50 | Fig. 16 Dielectric constant Equation of Wiener Volume ratio             |  |
| 55 | Fig. 17<br>Dielectric loss tangent                                      |  |

## Volume ratio

Fig. 18

Comparative example

5 Example

Dielectric constant

Frequency

Fig. 19

10 Comparative example

Example

Dielectric loss tangent

Frequency

15 Fig. 20

Dielectric constant ε of composite

Volume ratio of Powder

Fig. 21

20 Dielectric constant  $\varepsilon$  of composite

Volume ratio of Powder

Fig. 22

Dielectric constant  $\varepsilon$  of composite

25 Volume ratio of Powder

Fig. 23

Dielectric constant  $\varepsilon$  of composite

Volume ratio of Powder

30

Fig. 24

Dielectric constant  $\varepsilon$  of composite

Volume ratio of Powder

35 Fig. 25

Dielectric constant  $\varepsilon$  of composite

Volume ratio of Powder

Fig. 26

40 Type

Dielectric constant of sintered product

Measured value

Fig. 27

45 Type

Dielectric constant of sintered product

Measured value

Fig. 28

50 Type

Dielectric constant of sintered product

Measured value

Fig. 29

55 Dielectric constant  $\varepsilon$  of composite

## Frequency

Fig. 30
Type
Dielectric constant of sintered product
Dielectric constant of mixture with 0.38 of volume ratio of powder 5

Fig. 31

Dielectric constant ε of composite Volume ratio of powder

10